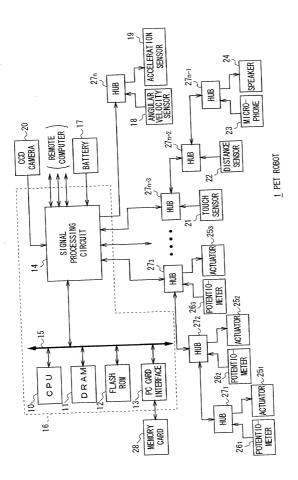
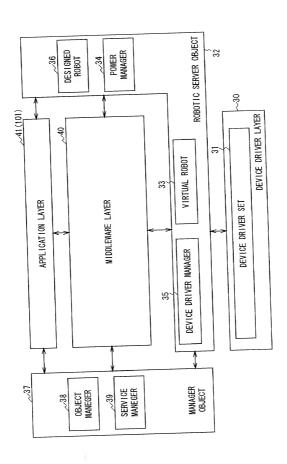
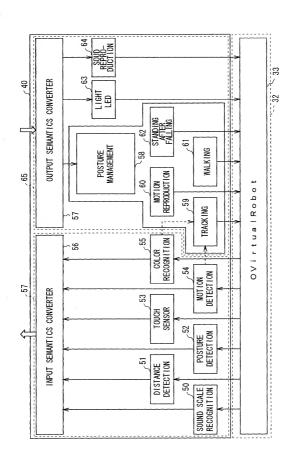
FIG. 1



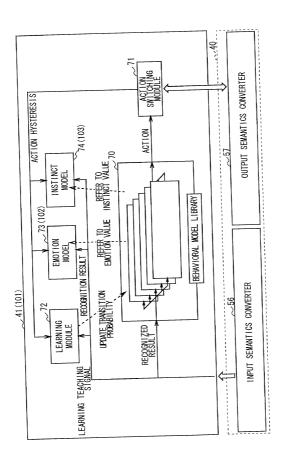
F1G. 2



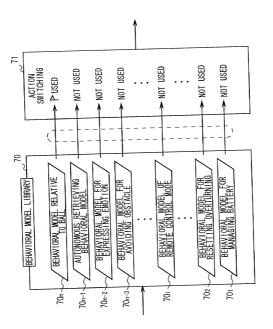
F1G. 3



F1G. 4



F1G. 5



F1G. 6

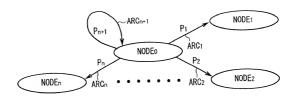


FIG. 7

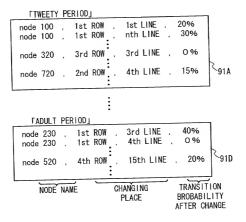


FIG. 12

CONTRACTOR OF THE PERSON OF TH

node 600 ACTION 4

<u>|</u>|

F1G.8

8

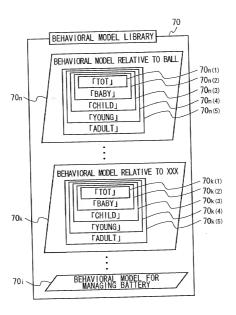
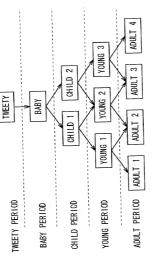
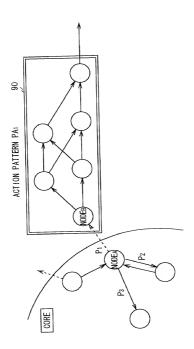


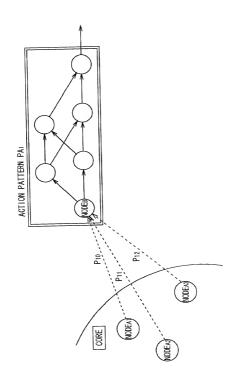
FIG. 9



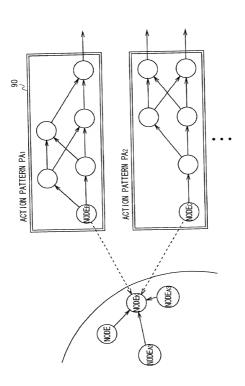
F1G. 10



F1G. 11



F1G. 13



F1G. 14

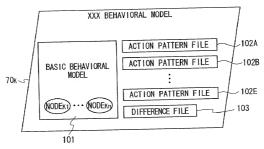


FIG. 15

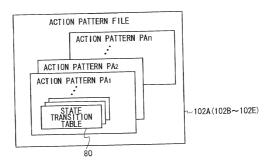


FIG. 16

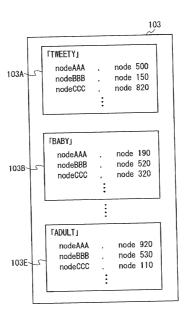


FIG. 17

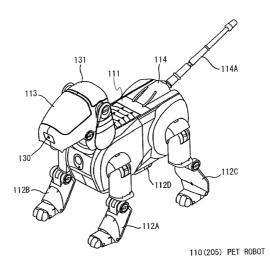
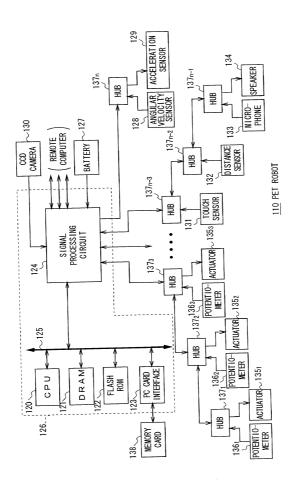
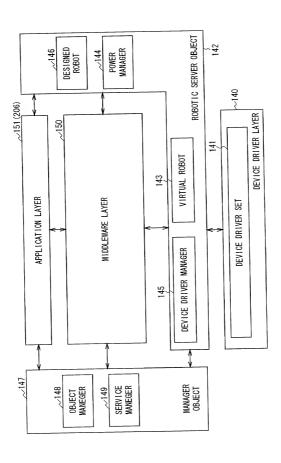


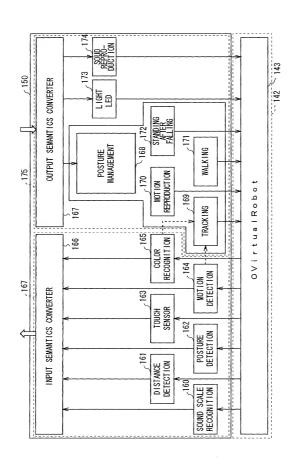
FIG. 18



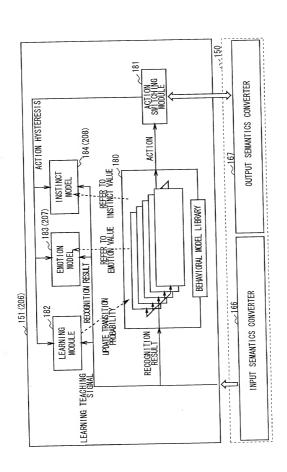
F1G. 19



F1G. 20



F1G. 21



F1G. 22

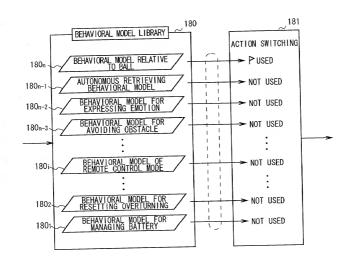


FIG. 23

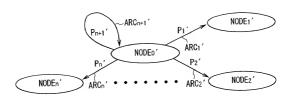


FIG. 24

																,	
NODE Di	2	-	node 600	ACTION 4													190
TRANSITION PROBABILITY TO ANOTHER NODE D		1	I	7	4	\leq	Ļ	7	=		\downarrow	4	7	7	=	ŧ	
	4	7		J	\dashv	-	┝	+		H	+	+	\dashv	-	_	1	
		اد	node 1000	MOVE BACK					20%	,000	100%						
		R	node 120 node120	ACTION 1 ACTION 2 MOVE BACK		40%	1	20%									
TRANSITI		A	node 120	ACT I ON 1	30%												
RANGE OF DATA					0 1000	200					0.100	50 100		1			
DATA NAME					S17F	1710					DISTANCE 0.100	λOI.	SUPRISE	SADNESS			
INPUT EVENT DATA NAME RANGE OF NAME DATA					I IV d	DALL	LYL	TIH	HOTTON	MOLION	OBSTACLE						
_		100 about	2001			-	7	8		4	5	9 4	0 1	α	2		
			TABLET NODE	INMINITION INVOLUTION	מסובת אסוומים						4	23	/4()			

F1G. 25

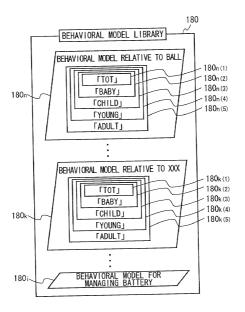
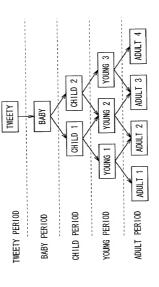
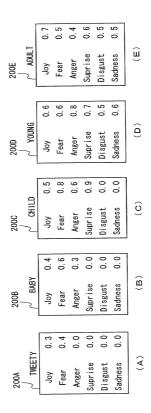


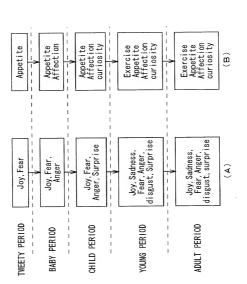
FIG. 26



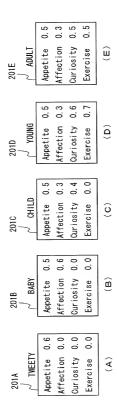
F1G. 27



F1G. 28



F1G. 29



F1G. 30

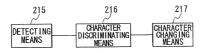


FIG. 31

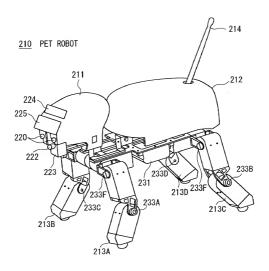
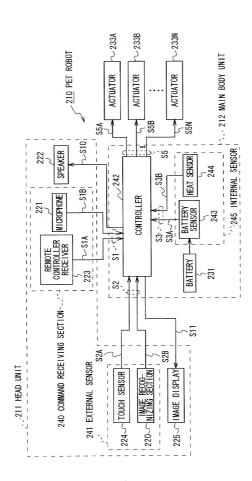
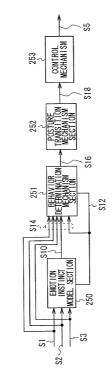


FIG. 32

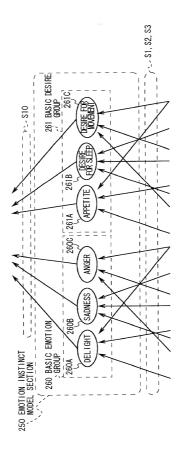


F16.33



242

-16.34



F16.35

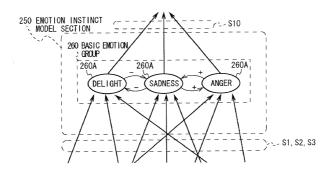


FIG. 36

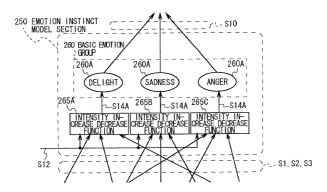


FIG. 37

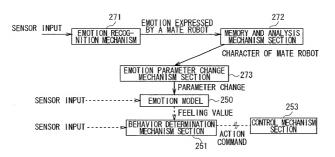


FIG. 38

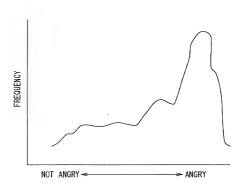


FIG. 39

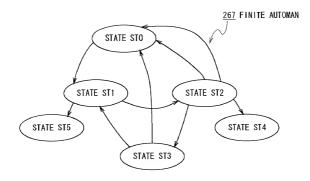
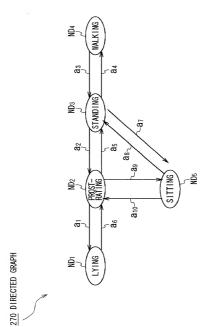


FIG. 40



-16.41

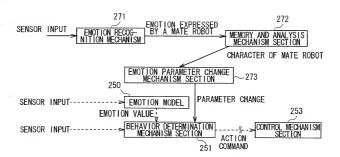


FIG. 42

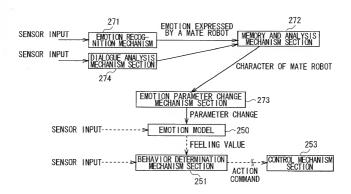
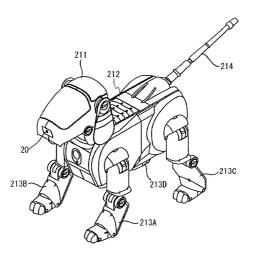


FIG. 43



210 PET ROBOT

FIG. 44

Explanation of Reference Numerals

1, 100, 110, 205, 210...pet robot, 10, 120, 242...CPU, 16, 126...control unit, 33, 143...virtual robot, 40, 150...middleware layer, 41, 151, 206...application layer, 70, 180...behavioral model library, 70_1 to 70_n , 70_k , $70_{k(1)}$ to $70_{k(5)}$, 180_1 to 180_n , 180_k , $180_{k(1)}$ to $180_{k(5)}$, $180_{n(1)}$ to $180_{n(5)}$...behavioral model, 91A to 91D, 103...difference file, 101...basic behavioral model, 102A to 102E...action pattern file, PA_1 to PA_n ...action pattern, $NODE_{K1}$ to $NODE_{Kn}$...virtual node, 200A to 200E...emotion parameter file, 201A to 201E...instinct parameter file, 72, 182...learning module, 73, 102, 183, 207...emotion model, 74, 103, 184, 208...instinct model, k_s to k_1 ...coefficient, 215...detecting means, 216...character discriminating means, 217...character changing means, 270...emotion recognition mechanism section, 271...memory and analysis mechanism section, 273...emotion parameter change mechanism section, 274...dialogue analysis mechanism section.